



IXL Skill Alignment

7th alignment for GO Math! 2014 Common Core Edition

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Module 1

Adding and Subtracting Integers

| Textbook section | IXL skills |
|--|---|
| 1.1: Adding Integers with Same Sign | |
| 1.2: Adding Integers with Different Signs | |
| 1.3: Subtracting Integers | C.1 Integer addition and subtraction rules >> C.2 Add and subtract integers using counters >> C.3 Add and subtract integers >> |
| 1.4: Applying Addition and Subtraction of Integers | C.5 Add and subtract integers: word problems >> <i>See also:</i> C.4 Complete addition and subtraction equations with integers >> |

Module 2

Multiplying and Dividing Integers

| Textbook section | IXL skills |
|---|---|
| 2.1: Multiplying Integers | |
| 2.2: Dividing Integers | C.6 Integer multiplication and division rules >> C.7 Multiply and divide integers >> <i>See also:</i> C.8 Complete multiplication and division equations with integers >> |
| 2.3: Applying Integer Operations | C.9 Evaluate numerical expressions involving integers >> |

Module 3

Rational Numbers

| Textbook section | IXL skills |
|---|--|
| 3.1: Rational Numbers and Decimals | |
| 3.2: Adding Rational Numbers | |
| 3.3: Subtracting Rational Numbers | H.6 Add and subtract rational numbers >> <i>See also:</i> E.1 Add and subtract decimals >> G.1 Add and subtract fractions >> G.3 Add and subtract mixed numbers >> |
| 3.4: Multiplying Rational Numbers | |
| 3.5: Dividing Rational Numbers | H.8 Multiply and divide rational numbers >> |
| 3.6: Applying Rational Number Operations | H.6 Add and subtract rational numbers >> H.8 Multiply and divide rational numbers >> |

Module 4

Ratios and Proportionality

| Textbook section | IXL skills |
|---|--|
| 4.1: Unit Rates | J.5 Unit rates >> |
| 4.2: Constant Rates of Change | |
| 4.3: Proportional Relationships and Graphs | J.14 Constant rate of change >> K.6 Identify proportional relationships >> <i>See also:</i> K.2 Write equations for proportional relationships from tables >> K.3 Identify proportional relationships by graphing >> |

Module 5

Proportions and Percents

| Textbook section | IXL skills |
|---|--|
| 5.1: Percent Increase and Decrease | L.9 Percent of change >> |
| | L.10 Percent of change: word problems >> |
| <hr/> | |
| 5.2: Rewriting Percent Expressions | |
| <hr/> | |
| 5.3: Applications of Percent | M.6 Percent of a number: tax, discount, and more >> |
| | M.7 Find the percent: tax, discount, and more >> |
| | M.9 Multi-step problems with percents >> |
| | M.10 Estimate tips >> |
| | M.11 Simple interest >> |

Module 6

Expressions and Equations

| Textbook section | IXL skills |
|---|---|
| 6.1: Algebraic Expressions | R.1 Write variable expressions >> |
| | R.2 Write variable expressions: word problems >> |
| | R.10 Multiply using the distributive property >> |
| 6.2: One-Step Equations with Rational Coefficients | S.5 Solve one-step equations >> |
| | S.7 Solve equations: word problems >> |
| 6.3: Writing Two-Step Equations | |
| 6.4: Solving Two-Step Equations | S.6 Solve two-step equations >> |
| | <i>See also:</i> S.3 Model and solve equations using algebra tiles >> |

Module 7

Inequalities

| Textbook section | IXL skills |
|---|--|
| 7.1: Writing and Solving One-Step Inequalities | T.1 Solutions to inequalities >> T.2 Graph inequalities on number lines >> T.4 Solve one-step inequalities >> |
| 7.2: Writing Two-Step Inequalities | |
| 7.3: Solving Two-Step Inequalities | T.6 Solve two-step inequalities >> T.7 Graph solutions to two-step inequalities >> |

Module 8

Modeling Geometric Figures

| Textbook section | IXL skills |
|---|--|
| 8.1: Similar Shapes and Scale Drawings | J.7 Scale drawings: word problems >> |
| 8.2: Geometric Drawings | |
| 8.3: Cross Sections | |
| 8.4: Angles Relationships | W.12 Identify complementary, supplementary, vertical, adjacent, and congruent angles >> |
| | W.13 Find measures of complementary, supplementary, vertical, and adjacent angles >> |

Module 9

Circumference, Area, and Volume

| Textbook section | IXL skills |
|---|--|
| 9.1: Circumference | |
| 9.2: Area of Circles | AA.5 Circles: calculate area, circumference, radius, and diameter >> AA.6 Circles: word problems >> |
| 9.3: Area of Composite Figures | AA.12 Area of compound figures with triangles, semicircles, and quarter circles >> |
| 9.4: Solving Surface Area Problems | AA.8 Surface area >> |
| 9.5: Solving Volume Problems | AA.7 Volume >> |

Module 10

Random Samples and Populations

| Textbook section | IXL skills |
|---|--|
| 10.1: Population and Samples | CC.6 Identify representative, random, and biased samples >> |
| 10.2: Making Inferences from a Random Sample | |
| 10.3: Generating Random Samples | |

Module 11

Analyzing and Comparing Data

| Textbook section | IXL skills |
|--|---|
| 11.1: Comparing Data Displayed in Dot Plots | |
| 11.2: Comparing Data Displayed in Box Plots | BB.15 Interpret box-and-whisker plots >> |
| 11.3: Using Statistical Measures to Compare Populations | |

Module 12

Experimental Probability

| Textbook section | IXL skills |
|---|---|
| 12.1: Probability | |
| 12.2: Experimental Probability of Simple Events | DD.3 Experimental probability >> |
| 12.3: Experimental Probability of Compound Events | DD.5 Compound events: find the number of outcomes >> |
| 12.4: Making Predictions with Experimental Probability | |

Module 13

Theoretical Probability and Simulations

| Textbook section | IXL skills |
|--|---|
| 13.1: Theoretical Probability of Simple Events | DD.1 Probability of simple events >> |
| 13.2: Theoretical Probability of Compound Events | DD.5 Compound events: find the number of outcomes >> |
| 13.3: Making Predictions with Theoretical Probability | DD.4 Make predictions >> |
| 13.4: Using Technology to Conduct a Simulation | |